Course ID: ECE 440 Introduction to Computer Networks-Spring
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326B/ Office Hours: Tuesdays and Thursdays 2:00pm-3:00pm
Lectures: Tuesdays and Thursdays 3:30pm-4:45pm
Department of Electrical and Computer Engineering / University of New Mexico

Homework #6 (100%)

1.   Review Question R2, Chapter 6 **(30%)**

If all the links in the Internet were to provide reliable delivery service, would the TCP reliable delivery service by redundant? Why or why not?

2.   Review Question R3, Chapter 6 **(30%)**

What are some of the possible services that a link-layer protocol can offer to the network layer? Which of these link-layer services have corresponding services in IP? In TCP?

3.   Review Question R4, Chapter 6 **(40%)**

Suppose two nodes start to transmit at the same time a packet of length L over a broadcast channel of rate R. Denote the propagation delay between the two nodes as d_{prop}. Will there be a collision if $d_{prop} < L/R$? Why or why not?

To be delivered at the instructor's office: **7th May 2020**

Good Luck!